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A new species of the genus *Herpetogramma* Lederer (Pyraustinae, Crambidae) from Japan

Hiroshi INOUE

311-2, Bushi, Iruma City, Saitama, 358-0053 Japan

Abstract A new species, *Herpetogramma albipennis*, is described from Honshu and Kyushu, Japan, with illustrations of a male and female and genitalia of both sexes.

Key words *Herpetogramma*, Crambidae, coast-grown plant, *Vitex*, Japan.

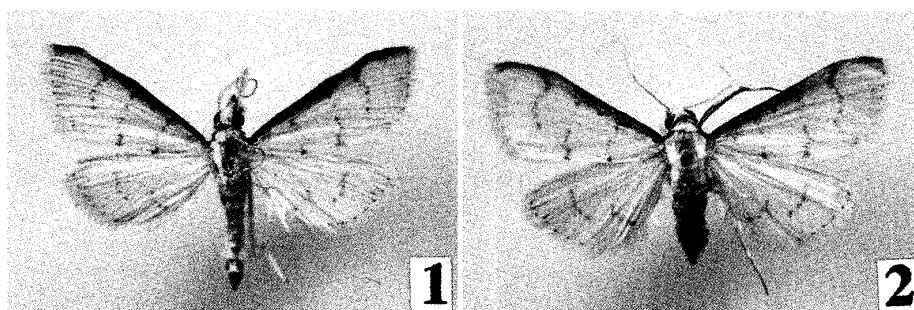
In writing this paper I am much indebted to the kind advice of Mr M. Shaffer, Department of Entomology, the Natural History Museum, London, and Mr H. Yamanaka, Toyama, and to Messrs T. Ichiba, T. Maenami, I. Ohtsuka and H. Yamanaka for their gifts of specimens. Dr M. Owada, National Science Museum, Tokyo, kindly took microphotographs of the genitalia illustrated in this paper.

Unless stated otherwise all the specimens including the holotype recorded hereunder will be transferred to the Natural History Museum, London, after the publication of this paper.

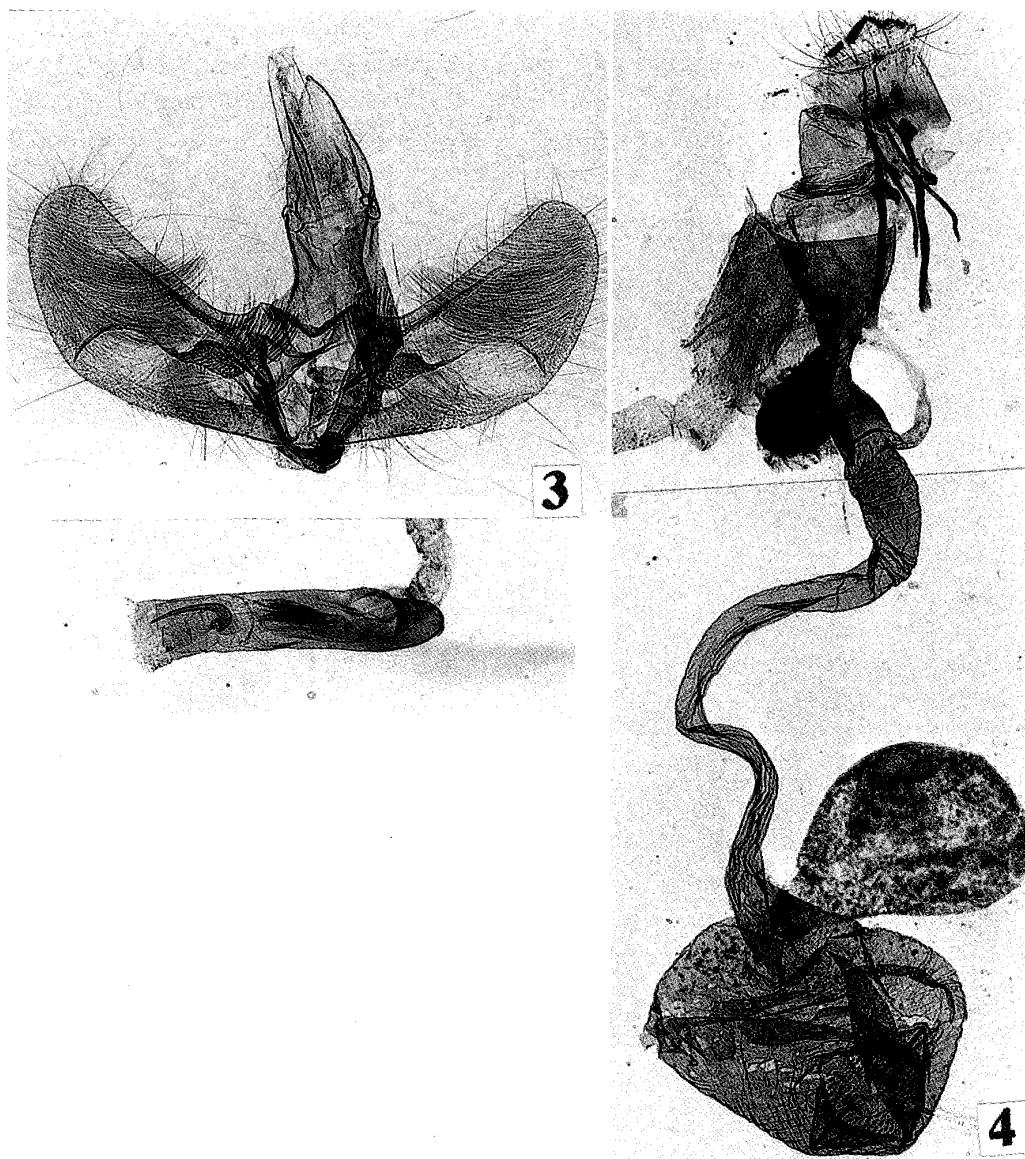
Herpetogramma albipennis sp. nov. (Figs 1-2)

Antenna in both sexes filiform, but thicker in male. Palpus blackish grey, but ventral side white, frons white, but dark grey at sides and ventral area. Legs white, but foreleg with tibia brownish, tarsus with blackish marks. Crown of head, thorax and abdomen above white, patagium and tegula dark grey.

Wingspan, ♂ ♀ 11.5-18 mm. Wings pure white, with pearly glitter. Forewing with costal area striped with dark grey, slender ante- and postmedian lines of the same colour, the former angled at posterior margin of cell, the latter angled inward below costal stripe, then excurved and deeply incurved on vein 2, nearly vertical to hindmargin, discocellulars with dark grey bar. Termen and fringe white. Hindwing with postmedian line nearly parallel with termen, but strongly incurved posteriorly, angled inward on vein 2. Under surface nearly as upper, but forewing with costal area more broadly and faintly tinged with dark grey-brown and terminal area also brownish.



Figs 1-2. *Herpetogramma albipennis* sp. nov. 1. Holotype ♂. 2. Paratype ♀.



Figs 3-4. Genitalia of *Herpetogramma albipennis* sp. nov. 3. Male (HI Slide 15210). 4. Female (HI Slide 15211).

Male genitalia (Fig. 3). Uncus broad, triangular, apex pointed. Valva expanded, costa straight, terminal margin gently rounded, harpe emitting basad stout double spines, a string-like sclerotization extending from the basal patch of the spines to the middle of the valva and then curving to the ventral margin of the valva, ending in a slender spine. Aedeagus cylindrical, nearly as long as valva, cornuti a long recurved spine and a bunch of minute spines. 8th abdominal sternite with a horseshoe-like sclerotization.

Female genitalia (Fig. 4). Papillae anales flat, apophyses posteriores and anteriores nearly equal in length. Colliculum sclerotized, cup-shaped, a lump-like process at the base of the ductus bursae, the latter membranous, slender, nearly three times diameter of corpus bursae; corpus bursae globular with a large diamond-shaped signum.

Material examined. Holotype, ♂: Hamasami, Komatsu City, Ishikawa Pref., 18. viii. 1999 (A. Tomisawa), from H. Yamanaka. Paratypes. Ako Village, Miyake I., Izu Shichito, 15.

vi. 1959, 1 ♂ (T. Maenami). Oshima, Ushibuka City, Amakusa I., Kumamoto Pref., 9. vi. 1994, 1 ♂ 1 ♀ (I. Ohtsuka). Nijinomatsubara, Hamatama-machi, Saga Pref., 3. viii. 1997, 1 ♀ (T. Ichiba). Type-locality, 11 & 18. viii. 1999, 4 ♂ 2 ♀ (A. Tomisawa). The following 26 ♂♀ paratypes in coll. H. Yamanaka: Ishikawa Pref.: data as holotype; Kusano, Komatsu City; Shioya, Kaga City; Yoshiharakamaya, Neagari-machi (A. Tomisawa).

Distribution. Japan (Honshu, Kyushu).

Remarks. The food plant of this species is *Vitex rotundifolia* (Verbenaceae), a coast-grown plant in the southern half of Japan, and its discovery in Shikoku is only a matter of time.

According to Mr Shaffer's information this species is closest to *H. pallidalis* (Hampson) from the Tanimbar Is (Indonesia), but the markings are even paler. Ostensibly similar to *Palpita inusitata* (Butler) (*cf.* Inoue, 1996, *Tinea* 15: 31, fig. 29) from Japan and China, but smaller, without the characteristic discal and cellular marks on forewing and posterior discal and tornal black dots on hindwing.

摘要

日本産 *Herpetogramma* 属 (ツトガ科ノメイガ亜科) の 1 新種 (井上寛)

Herpetogramma 属としてはむしろ異例の小型で純白の新種, *H. albipennis* Inoue, ハマゴウノメイガ (新称) を本州 (伊豆七島の三宅島阿古), 石川県小松市浜佐美, 小松市草野, 加賀市塩屋, 根上町吉原釜屋, 九州 (佐賀県浜玉町虹ノ松原, 熊本県天草島牛深市大島) でとれた標本によって記載した。いずれの採集地も海浜で, 幼虫は浜辺の植物クマツヅラ科のハマゴウに寄生している (山中浩氏よりの情報による)。島を含め本州以西に広く分布していて, 将来四国でも発見されるだろう。

Palpita inusitata (Butler) ヒメシロノメイガにやや似ているが, 一層小型, 斑紋は一層単純で, 前翅にある *Palpita* に特徴的な腎形紋などがなく, 後翅横脈上と後角の黒紋もない。

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